# LOS ANGELES COUNTY
# SHERIFF'S DEPARTMENT
# VEHICLE SPECIFICATION SHEET

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|---|---|
| **VEHICLE TYPE** | **TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SPORTS UTILITY VEHICLE)** |
| **BUDGET PERIOD** | FY 13/14 |
| **REQUISITION NO.** | RQN-SH-14008641 (Aero Project #01) |
| **QUOTATION NO.** | RFB-IS-14200336 |
| **SPEC'S PREPARED BY / TELEPHONE NO.** | Sgt. John Haughey, Aero Bureau, jphaughe@lasd.org (562) 305-7679 |
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| **APPROVED BY (LASD FLEET MANAGER)** | Lt. Vance Duffy, C.F.M.B., veduffy@lasd.org (323) 881-3982 |
| **APPROVED BY (LASD AERO BUREAU PROJECT MANAGER)** | Sgt. John Haughey, Aero Bureau, jphaughe@lasd.org (562) 305-7679 |
| **VENDOR NAME** | |
| **VENDOR ADDRESS** | |
| **VENDOR PHONE #** | |
| **VENDOR REPRESENTATIVE** | |

## SPECIAL INSTRUCTIONS

**Vehicle shall be of the make, model and mechanically equipped as tested and certified as High Speed Police Package Vehicles at the Los Angeles County Sheriff Department's most recent annual "Law Enforcement Vehicle Test and Evaluation Program."**

**The final delivery date of the completed vehicle may not exceed 90 days from the date the bid is awarded. Request is grant funded; thus, vehicle must be delivered, invoiced, and paid for by March 2014.**

## WARRANTY

1. Warranty to be standard manufacturer's warranty as supplied with all vehicles sold by manufacturer.

2. Warranty work will be performed at a dealership in the area in which the vehicle is assigned.

3. WARRANTY PERIOD WILL START ON THE DAY THAT THE VEHICLE IS PUT INTO SERVICE BY THE LOS ANGELES COUNTY SHERIFF'S DEPARTMENT, NOT THE DATE OF VEHICLE DELIVERY. DELAYED WARRANTY START NOT TO BE LESS THAN EIGHTEEN MONTHS.

4. Use of other than original equipment parts will not void warranty.

5. Warranty card to be delivered to Sheriff's Fleet Management Unit.

6. All vehicle components substituted or changed after bid is awarded, and any component deviations initiated at the discretion of vehicle manufacturer must be warranted by the manufacturer for parts replacement and parts installation. The warranty shall be effective from the day the vehicle is put into service by Sheriff's Department.

## EMISSION STANDARDS

1. Manufacturer's Standard Equipment and all devices necessary to comply with the Federal Motor Vehicle Safety Standards will be included.

2. Vehicle must comply with all Federal Emission Standards on crankcase, exhaust, and applicable California State laws on crankcase and fuel emissions.

## GENERAL SPECIFICATIONS AND STANDARDS

1. All equipment furnished will be subject to the approval of the Purchasing Agent, Director of Internal Services Department and the using Department.

2. The body, finish, and fittings shall be the latest model. They shall be new and not have been used in demonstrator or other service, and shall be factory standard in all respects and not in conflict with any specification requirements.

3. All standard equipment is to be included on the vehicle as listed in the current model year brochure.

4. Trade names mentioned in these plans and specifications are not restrictive and are given only to indicate the type of material which will be acceptable. When furnishing other than these trade name items, they must be of equal or better quality, must be indicated in bidder's proposal, and must be approved by BOTH, Los Angeles County Sheriff's Department Fleet AND Aero Bureau Project Manager.

5. All deviation(s) or component change(s) after the bid has been awarded, must first be proceeded by notification to the Sheriff's Department Fleet Management Unit and acceptance/approval must be granted by BOTH, the Sheriff's Department's Fleet Manager or his/her designated representative and Aero Bureau Project Manager.

6. Five (5) electronic copies of the *Maintenance Service Manual* and Five (5) electronic copies of the electrical wiring diagram manuals must be furnished by the successful bidder(s) within 45 days of the receipt of the Purchase Order or payment will be delayed. In addition, one (1) copy of all *Technical Bulletins* pertaining to selected vehicle shall be provided in a timely manner.

7. Bidders shall submit detailed literature of the vehicle they propose to furnish.

8. Failure to submit this information is sufficient cause for rejection of bid.

9. Dealer shall furnish Dealer's Bill of Sale in the name of:
   Los Angeles County Sheriff's Department
   1277 North Eastern Avenue
   Los Angeles, California 90063.

10. Successful bidder shall provide within fifteen (15) days verification of dealer order. Verification is to be forwarded to the Fleet Manager.

11. Dealer to furnish invoice at time of delivery for each vehicle received.

12. Dealer shall furnish a list of all specialized tools and equipment needed for the repair of the vehicle and/or any related components.

**DELIVERY**

1. Vehicle will have the dealer preparation service work, normally performed by the dealer, completed before delivery.

2. Dealer preparation shall include the removal of all window stickers, transport papers, etc., that are adhered to the windows or any other portion of all vehicle. Vehicle shall not be delivered with any type of license plate frame or placard identifying the dealer's name.

3. The final delivery date of the vehicle may not exceed 90 days from the date the bid is awarded. **Request is grant funded; thus, vehicle must be delivered, invoiced, and paid for by March 2014.**

4. Vehicle, upon delivery, will be ready for service.

5. Delivery site of vehicle to be determined at a later date.

7. Vehicle will be delivered with a full tank of fuel.

8. Before any payment for the vehicle(s) is made, "documentation proof" that any and all, components have been paid for in full by the winning bidder, **must** be submitted to the Sheriff's Fleet operations office. Failure to do so will be considered an incomplete delivery and delay any payment(s).

**SPECIAL REQUIREMENT**

The Tactical Incident Downlink Vehicle shall be designed, inspected and commissioned by a Microwave Video Downlink Vendor, if the awarded vendor is the vehicle dealership. If the awarded vendor is the Microwave Video Downlink vendor, then they shall work with the vehicle dealer. The vendors must work together in order to ensure proper integration of equipment. Please note that the awarded vendor is ultimately the one that the County will be working with directly to address any issues/concerns. The equipment components for this system shall be covered by a two (2) year warranty. In addition, LASD requires five (5) year, 24-hour service and support which shall be provided by vendor.

Awarded Vendor shall have a minimum of ten years of experience specifically dealing with airborne and ground based microwave communication systems design, integration, operations, and maintenance within broadcast, law enforcement and military applications.

Vendor must provide 3 references that they have provided similar systems for in the last 10 years.

Vendor must have new or used "loaner" equipment on its premises and must be ready to ship to LASD Aero Bureau 24 hours after notification of primary equipment failure. This loaner equipment shall consist of a complete set of microwave downlink components and mounting provisions.

Vendor shall design the layout and location of the mission equipment to meet the operational requirements of LASD Aero Bureau. This shall be done by utilizing the available space within the vehicle. Vendor must submit basic drawings with their bid to show the layout and location of equipment. Final design and layout will be determined at the pre-construction meeting.

Vendor shall perform all work in accordance with equipment manufacturers' instructions. Vendor personnel shall have the appropriate training, certifications, and licenses to perform the vehicle completion (subject to verification by the County).

Vendor shall serve as the central coordinator to resolve integration, performance, and certification issues between the vehicle manufacturer, equipment suppliers, completion team and any regulatory agencies.

Vendor must provide a testing and repair facility which affords the availability of servicing the Tactical Incident Downlink Vehicle, as well as LASD Aero Bureau's existing Tactical Incident Downlink Vehicle. Vendor's facility must also afford the availability of landing and hangar space for LASD Aero Bureau's fixed and rotary wing aircraft. Vendor's facility must be within a 50 nautical mile radius of the LASD Aero Bureau facility at the Long Beach Airport. This facility shall have all necessary testing and replacement equipment and on-location personnel to assist the LASD Aero Bureau with immediate technical support. This facility shall be staffed 24 hours a day, 365 days a year with a dispatcher. The dispatcher shall be capable of being reached by aviation radio and telephone and shall provide immediate, live technical support and troubleshooting. The ground vehicle and aircraft testing facility requirement is to ensure fleet-wide downlink system equipment troubleshooting and interoperability.

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

**BIDDER INSTRUCTIONS**

***Bidders will use box provided at left margin. A check mark therein will be considered by the Sheriff's Department as indication that bidders are meeting or exceeding that portion of the specification. Any deviations of specifications are to be noted by the bidder to right or specification form under Bidder's Exceptions. Any Aequivalent substitution of specified items or parts, must be with the prior approval of the Sheriff's Fleet Manager and Aero Bureau Project Manager.***

| | CHASSIS | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | Body on frame. | |
| [ ] | Frame to be - full perimeter, modular with hydro formed rails. | |
| | Layout | |
| [ ] | Front engine. | |
| [ ] | Rear wheel drive. | |
| | Wheel base | |
| [ ] | 116 inches. | |
| | Suspension | |
| [ ] | Front – Independent, single coil over shock with a stabilizer bar. | |
| [ ] | Rear – Multi-link with coil springs, shocks and a heavy duty stabilizer bar. | |
| | Steering | |
| [ ] | Power, rack and pinion steering. Power steering should be engineered as to provide maximum road feel and handling. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | CHASSIS (continued) | BIDDERS EXCEPTIONS |
|---|---|---|
| | <u>Brakes</u> | |
| [ ] | Vacuum boost power assist disc brakes required on both front and rear. | |
| [ ] | 4-wheel Anti-lock brake system (ABS) required. | |
| [ ] | Front swept area (sq. in.) 213 | |
| [ ] | Rear swept area (sq. in.) 133 | |
| [ ] | Total front and rear brake-swept area (sq. in.) 346 | |
| | <u>Tires and Wheels</u> | |
| [ ] | Five (5) each, radial tires and wheels per vehicle.***** | |
| [ ] | Tire size not smaller than P265/60R17. | |
| [ ] | Tires shall be "H" rated all season. | |
| [ ] | Blackwall tires only, whitewall tires are ***not acceptable.*** | |
| [ ] | 17" X 7.5" black steel wheels, with factory standard metal center wheel cap covers. | |
| [ ] | All tires supplied shall be of the make and model as tested and accepted during the Los Angeles County Sheriff's Department latest "Law Enforcement Vehicle Test and Evaluation Program."<br><br>*"*Space Saver*" type spare tires ***not acceptable.*** | |
| | <u>Skid Plate</u> | |
| [ ] | Front underbody shield protecting the front underbody and oil pan. It shall start behind front bumper and extending to the first cross-member. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | DRIVE TRAIN | BIDDERS EXCEPTIONS |
|---|---|---|
| | Engine | |
| [ ] | Fuel injected, liquid cooled, gasoline. | |
| [ ] | Engine to be 5.3 liter minimum, Vortec V8 design. | |
| [ ] | 320 horsepower minimum @ 5200 RPM, on regular 87 octane gasoline. | |
| [ ] | 340 ft. lb. torque minimum @ 4200 RPM on regular 87 octane gasoline. | |
| [ ] | Oil filter to be manufacturer's standard. | |
| | Cooling System | |
| [ ] | Radiator and electric fans must be heavy-duty of sufficient capacity to have passed all previous heat tests performed during the most recent Los Angeles County Sheriff's Department "Law Enforcement Vehicle Test and Evaluation Program." | |
| [ ] | Coolant recovery system is required.* | |
| [ ] | All radiator/coolant hoses to be AEPDM@ type, two (2) ply pre-formed construction to include bypass and heater hose. | |
| [ ] | Factory installed external engine and transmission oil coolers required. | |
| [ ] | * Recovery system must be factory-installed type. Dealer-installed after-market systems ***will not be acceptable.*** | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | DRIVE TRAIN (continued) | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | <u>Transmission</u><br><br>Automatic six (6) speed with overdrive. | |
| [ ] | <u>Rear Differential</u><br><br>3.08 axle ratio. | |
| [ ] | <u>Fuel Tank</u><br><br>A minimum of 26 gallon capacity. | |
| [ ] | The fuel tank capacity shall be sufficient to provide a minimum cruising range of 300 miles, based on the Sheriff's Department latest "*Fuel Efficiency Evaluation Test*" and still allow a 10% reserve. | |
| | **ELECTRICAL** | |
| [ ] | Battery, 12 volt, negative ground, 730 C.C.A., maintenance free. | |
| [ ] | Automatic battery rundown protection system. | |
| [ ] | Alternator, 160-amp output minimum with idle boost. | |
| [ ] | Ignition, electronic-type. | |
| [ ] | Ignition high tension wiring required to be heat resistant. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | BODY | BIDDERS EXCEPTIONS |
|---|---|---|
| | Exterior | |
| [ ] | Four side passenger doors. | |
| [ ] | Framed door windows required. | |
| [ ] | Rear lift gate. | |
| [ ] | Rear lift glass with electric defroster, washer and wiper. | |
| [ ] | Factory tinted privacy glass on all rear doors, rear cargo quarters and back glass. | |
| [ ] | Outside power adjustable, heated and manual folding mirrors. | |
| [ ] | Two (2) front recovery hooks. | |
| [ ] | Full body side moldings, including front door, **installed**. | |
| [ ] | Side assist step, left and right side, step only. | |
| [ ] | **Silver Ice Metallic color scheme.** | |
| | Interior | |
| [ ] | Driver's and passenger's side front air bags. | |
| [ ] | Front seat side airbags. | |
| [ ] | Padded dashboard, non- reflective. | |
| [ ] | Rearview mirror, inside (day/night type). | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | BODY (continued) | BIDDERS EXCEPTIONS |
|---|---|---|
| | <u>Interior (continued)</u> | |
| [ ] | Gauge cluster (speedometer, tachometer, volt, oil pressure, water temperature, fuel, digital trip odometer and driver's information center). | |
| [ ] | Analog speedometer head to indicate speeds to 140 MPH and be accurate +2 MPH at 80 MPH. | |
| [ ] | Cigarette lighter 12 volt power outlet in front only. | |
| [ ] | A second auxiliary 12 volt power outlets in front passenger area. | |
| [ ] | One (1) 12 volt power outlet in rear cargo area. | |
| [ ] | Overhead console to include both a driver's and passenger's map light. | |
| [ ] | Interior lighting shall be switch controlled, capable of rendering all interior lights completely inoperative when doors are open. | |
| | <u>Seats</u> | |
| [ ] | Front – Buckets with heavy-duty cloth, and adjustable head restraints. | |
| [ ] | Six (6) way power driver's seat adjuster. | |
| [ ] | Rear – 60/40 split and folding bench with heavy-duty vinyl and outboard seating position headrests. | |
| [ ] | Heavy-duty, high density foam, required in all seats. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | **BODY (continued)** | **BIDDERS EXCEPTIONS** |
|---|---|---|
| | <u>Upholstery</u> | |
| [ ] | Insulated headliner. | |
| [ ] | Solid or breathable vinyl side panels. | |
| [ ] | Front seats to be heavy-duty cloth, rear seat to be heavy duty vinyl. | |
| [ ] | Black vinyl/rubber floor and load area covering. | |
| [ ] | Heavy duty floor mats (Black) for front and rear passenger positions. | |
| [ ] | Interior color to be Ebony. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | FACTORY INSTALLED ACCESSORIES & FUNCTIONS | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | Multiple speed electric windshield wipers with intermittent feature. | |
| [ ] | Air conditioning, factory-installed. | |
| [ ] | Heater, integral with air conditioning. | |
| [ ] | Outside, power, and heated non-glare rear view mirrors. | |
| [ ] | Rear door power and/or manual door locks **must be operable** from rear doors. | |
| [ ] | Interior rear door handles **must be operable.** | |
| [ ] | Rear power windows **must be operable** from rear doors. | |
| [ ] | Front passenger window to be operable by driver and front passenger. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | KEYS AND ENTRY SYSTEMS(S) | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | Single-key locking system in vehicle, including any storage and/or glove compartment(s). No chipped keys preferred. | |
| [ ] | Remote keyless entry and factory theft-deterrent system. | |
| [ ] | Vehicle to be provided with four (4) keys and four (4) remote keyless entry transmitters. ***Aluminum keys are not acceptable.*** | |
| [ ] | Hood to be controlled by an inside release located on the driver's side. | |
| | **SPECIALTY ITEMS AND INSTRUCTIONS** | |
| [ ] | Vehicle to be equipped with radio interference suppression package. | |
| [ ] | Vehicle to be delivered with a full tank of fuel. | |
| [ ] | Vehicle shall be delivered with one seat belt extender. | |
| [ ] | Any manufacturer installed daytime running lights and/or automatic headlights must be inactivated. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | CUSTOM FABRICATION / EMERGENCY EQUIPMENT | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | Fabrication – Interior Work Station in rear second seat area (Equipment rack for microwave receivers, viewing monitor, battery mounts, small desktop work space for lap-top computer use). | |
| [ ] | Fabrication - Passenger side rear window I/O Panel. | |
| [ ] | One (1) 7" 12 Volt Kennel Fan or equal for equipment rack cooling. | |
| [ ] | Fabrication - Front passenger area, 7" Monitor Mount. | |
| [ ] | Fabrication – Exterior Antenna/Equipment Rack (aluminum type) on roof for antenna & mast W/LED Beacon for warning, must include on/off switch in driver's area (One (1) LED Pulsator- Amber LED / Amber Dome). | |
| [ ] | One (1) 3-LED surface mount light head, clear lenses, amber, to be installed in rear cargo area. | |
| [ ] | Fabrication - Antenna rack (Candelabra or equal) at top of mast with mount for box for coax interface. | |
| [ ] | One (1) Custom, two-module command box cabinet for rear cargo area. | |
| [ ] | Fabrication - Mount for monitors, receivers, radios in equipment rack. | |
| [ ] | Four (4) 5.5 " Dome light LED, 195 lumens. | |
| [ ] | One (1) 3,000 Watt Millennium Power Series Inverter. | |
| [ ] | One (1) Kussmaul or equal Charging System, 40 Amps for charging vehicle batteries & remote bar-graph indicator. | |
| [ ] | One (1) Solenoid or equal battery link 120AMPS 12/24V ACR. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | | |
|---|---|---|
| [ ] | Two (2) Optima or equal D34/78-950 Batteries. | |
| [ ] | One (1) Dual alternator kit for vehicle. | |
| [ ] | One (1) 5.6" Monitor, standard rear-view camera and 65.5 ext. cable, fabrication-front partition for safety (expanded metal across top only). | |
| [ ] | Two (2) 150 AMP Breakers. | |
| [ ] | Two (2) Fuse Block Safety. | |
| [ ] | One (1) 70 Amp circuit breaker (for lighting). | |
| [ ] | One (1) 2-Head inline LED Corner kit (CLEAR/CLEAR). | |
| [ ] | One (1) Micro Pulse 6-LED Light head Grill Lights (RED/BLUE). | |
| [ ] | One (1) Headlight Flasher. | |
| [ ] | One (1) ES100 or equal Speaker W/O bracket, speaker mount, SUV type. | |
| [ ] | One (1) Center Console with 17"slope/11" level, 5.6" tall X 8.56" wide X 6" long (lockable lid) no arm rest. | |
| [ ] | One (1) 4" Internal Beverage Holder W/Grommets. | |
| [ ] | Two (2) LED Heavy Duty Work Light (For Rack). | |
| [ ] | One (1) Viper Dual Head 16 LED, Front Mirror, (RED/BLUE). | |
| [ ] | One (1) 2 Head Inline LED Corner Kit (RED/RED). | |
| [ ] | One (1) LED Corner System, 2 Channel, (BLUE). | |
| [ ] | One (1) 75FT 1OT Wire for battery. | |
| [ ] | Two (1) Remote-mounted Microphone Cables in hatch door. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | | |
|---|---|---|
| [ ] | One (1) 80K Series Amplifier 100/200W. | |
| [ ] | One (1) 8OK, (3) 20A Warning Lights Control. | |
| [ ] | One (1) 80K, Amplifier to Controller Connection, 15 CABLE. | |
| [ ] | Four (4) Fuse Block STBLADE 12 CIRC W/GND/CVR or equal. | |
| [ ] | Two (2) Fuse Block STBLADE 6 CIRCUIT or equal. | |
| [ ] | One (1) Vehicle Fire Extinguisher Bracket. | |
| [ ] | One (1) 5 Pound Fire Extinguisher W/O Bracket. | |
| [ ] | <u>Standard LASD Approved Motorola Radio System</u> | |
| [ ] | System installation to include two radios in front driver/passenger area and two radios in rear cargo area. | |
| [ ] | Two (2) Mobile Radio, Motorola XTL5000, UHF 450-512 MHz 10-40 Watts, Part # M20SSS9PW1N. | |
| [ ] | Two (2) Digital Operation Plan, # G806 or equal | |
| [ ] | Two (2) Conventional System Software # G48 or equal | |
| [ ] | Two (2) Identification Display # G114 or equal | |
| [ ] | Two (2) XTL5000 Control Head # G442 or equal | |
| [ ] | Two (2) Control Head Software # G444 or equal | |
| [ ] | Two (2) Encryption UCM Software # G159 or equal | |
| [ ] | Two (2) Remote Mount # G67 or equal | |
| [ ] | Two (2) Dual Control Head # GA00092 or equal | |
| [ ] | Four (4) 30' Cable # G610 or equal | |

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| | | |
|---|---|---|
| [ ] | Two (2) 3 Year Service Plan # GA00232AB or equal | |
| [ ] | Four (4) Speaker, Audio Power, 10 Watt # W432 or equal | |
| [ ] | Four (4) Antennas # G89 or equal | |
| [ ] | Four (4) Microphone, Standard XTL Connector # W22 or equal | |
| [ ] | Any others parts (i.e. wire, zip ties, clamps, fasteners, relays, etc.) required for installation. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | MICROWAVE DOWNLINK AND ASSOCIATED MISSION EQUIPMENT | BIDDERS EXCEPTIONS |
|---|---|---|
| [ ] | Two (2) 6.5GHz 6 Way Diversity Digital Rack Mount Receivers with internal decoder | |
| [ ] | One (1) 6.425-6.525 GHz Six-Way Tower Mount Block Down Converter Assembly | |
| [ ] | Five (5) 6.4-7.125 GHz Sector Antenna, Beamwidth= 110 Az, 18 deg elevation, Gain 12 dbi, N connector, includes stainless steel bracket and U bolts | |
| [ ] | One (1) 6.5GHz Quad Helix Antenna or equal with right circular pole;NF | |
| [ ] | 6.5GHz Antennas to be configured in a Candelabra or equal; (5) Sector and (1) Center mounted Quad Helix | |
| [ ] | Six (6) 3dB Splitters with DC pass to enable use of multiple receivers | |
| [ ] | Twelve (12) DC Blockers or equal | |
| [ ] | One (1) 4.9GHz 6 Way Diversity or equal Digital Rack Mount Receiver with internal decoder | |
| [ ] | Four (4) 4.9GHz Down Converters with outdoor enclosure | |
| [ ] | Three (3) Low Gain Collinear Omni Antennas 4.9GHz 4.5 dBi Vertical Polarity w/ N male flexible connector mounts | |
| [ ] | One (1) 4.9 GHz Quad Helix Antenna, right circular pole, NF. | |
| [ ] | Three (3) Miniature MPEG 2/4 Decoders | |
| [ ] | One (1) Roof-mounted, fold-down light tower to serve as a platform for 6.5 GHz candelabra or equal. Tower shall use air pressure to extend the mast provided air system. Shall not require interior vehicle space. | |
| [ ] | One (1) Fully populated pneumatic mast tubing (NYCOIL | |

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| | | |
|---|---|---|
| | or equal) | |
| [ ] | One (1) 20" 1680 x 1050 Desktop / Rack Mounted Monitor with HD-SDI input and in-monitor display features | |
| [ ] | One (1) QR434 Fully Featured 2RU Quad 4.3" Broadcast LCD Rack Mount Monitor | |
| [ ] | One (1) 7.0" SD/HD Hi-Bright Monitor with selector input switch > HD/SDI Input | |
| [ ] | One (1) 46" Monitor (46" Diag.) - LED - 1080p - 240Hz with custom mount | |
| [ ] | One (1) Teradek Cube H.264 Encoder capable of transmitting HD video over a/b/g/n Wi-Fi, Ethernet, and cellular (Or Department Approved Equal) | |
| [ ] | One (1) Sound Devices PIX 240i Portable Video Recorder Kit with Case (Or Department Approved Equal) | |
| [ ] | Two (2) SanDisk Extreme Solid State Drive (240GB) (Or Department Approved Equal) | |
| [ ] | Two (2) Icom VHF Air Band Transceivers (Or Department Approved Equal) | |
| [ ] | Two (2) Icom SP-5 mobile speakers, includes metal mounting bracket with two knobs for adjusting angle (Or Department Approved Equal) | |
| [ ] | Two (2) Icom Roof Mount Antennas (Or Department Approved Equal) | |
| [ ] | One (1) Off Air broadcast receiver | |
| | Three (3) 4 X 4 HD/SDI Video Switch | |
| [ ] | Four (4) Burst HD/SDI DA | |
| [ ] | Four (4) HD/SDI - HDMI Converters | |
| [ ] | One (1) Cabling & Connectors Kit | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

| | | |
|---|---|---|
| [ ] | Any others parts (i.e. wire, zip ties, clamps, fasteners, relays, etc.) required for downlink equipment installation. | |
| [ ] | One (1) 10' X 10' EZ Pop Set Up Canopy Tent Gazebo Includes 4 Sidewalls, White (Or Department Approved Equal). | |
| [ ] | One (1), Diffraction LTD, Nova Multi-Spectral Beacon, A091112-100 (Or Department Approved Equal). | |
| [ ] | One (1) Flexaust, Heat Rated, Exhaust Diversion Tube (Or Department Approved Equal). | |
| [ ] | Limousine Type Tint all side and rear windows, tint top edge of windshield. | |
| [ ] | **Vehicle must be certified "Air-Transportable" per USAF (ATTLA).** The Air Transportability Test Loading Agency (ATTLA) is the Department of Defense agency responsible for the approval of airlift cargo. Vehicle must have a minimum of four (4) tie-down points (2) front, (2) rear, screw-in & pivot type (no welds). ***For further information, contact Aero Bureau Project Manager.*** At the pre-construction meeting, awarded vendor shall provide a basic plan or layout of how they will attach the tie down points. | |
| [ ] | Vendor shall include cost for Project Engineering Management, Engineering Support, Final System Commission, and System Support. | |

**SPECIFICATIONS – TACTICAL INCIDENT DOWNLINK VEHICLE (SHERIFF'S HIGH SPEED PURSUIT RATED, SILVER ICE METALLIC, POLICE PACKAGE, 2-WHEEL DRIVE, SUV)**

**DELIVERY:**

Los Angeles County Sheriff's Department
Fleet Management Unit
1104 N. Eastern Avenue, Door #50
Los Angeles, CA 90063
(323) 267-3016

**SPECIAL INSTRUCTIONS:**

If any components are "drop-shipped", the packing slip(s) and/or shipping ticket(s) **must** have the corresponding "LA County ISD purchase order number" as related to the vehicle(s) being purchased, legibly printed on it/them. Shipments not so marked **will be refused**.

Before any payment for the vehicle is made, "documentation proof" that any and all, components have been paid for in full by the winning bidder, **must** be submitted to the Sheriff's Fleet operations office. Failure to do so will be considered an incomplete delivery and delay any payment(s).

Upon delivery, no dealer decals or license plate identifiers.

Dealer shall notify Sheriff's Department Fleet Unit and Aero Bureau Project Manager a minimum of 24 hours prior to delivery. Vehicle will not be accepted after 2:00 PM.

All State of California Department of Motor Vehicle paperwork, and invoicing MUST accompany vehicle at time of delivery. There shall be one invoice.

At time of delivery, vehicle MUST meet all specifications as written, NO EXCEPTIONS.

**At time of delivery, dealer shall furnish *Dealers Report of Sale* in the name of:**

**LOS ANGELES COUNTY SHERIFF'S DEPARTMENT**
**1277 N. EASTERN AVENUE**
**LOS ANGELES, CA 90063**

**Prior to completion of ANY DMV paperwork, must contact Aero Bureau Project Manager, Sergeant John Haughey, jphaughe@lasd.org, 562-305-7679.**